

WHAT IS CLAIMED IS:

1. A high-voltage equipment housing holding high-voltage equipment therein, comprising:

connection means for making an electrical connection between external equipment located outside said high-voltage equipment housing and said high-voltage equipment;

attaching means for attaching said connection means to prevent a mechanical connection of said connection means from being released by said connection means only; and

changing means for changing a state of the electrical connection between said high-voltage equipment and said external equipment by means of said connection means to a disconnected state in response to detachment of said attaching means.

2. The high-voltage equipment housing according to claim 1, wherein

said changing means includes an interlock circuit attached to said attaching means and a circuit changing said state of the electrical connection to said disconnected state when said interlock circuit opens in response to detachment of said attaching means.

3. The high-voltage equipment housing according to claim 1, further comprising:

an upper lid for preventing said high-voltage equipment from being touched; and

prevention means connected to said attaching means for preventing said upper lid from being attached/detached by said upper lid only.

4. The high-voltage equipment housing according to claim 2, further comprising:

an upper lid for preventing said high-voltage equipment from being touched; and

5           prevention means connected to said attaching means for preventing said upper lid from being attached/detached by said upper lid only.

5. The high-voltage equipment housing according to claim 1, further comprising holding means for mounting said high-voltage equipment housing on a vehicle.

6. The high-voltage equipment housing according to claim 2, further comprising holding means for mounting said high-voltage equipment housing on a vehicle.

7. The high-voltage equipment housing according to claim 3, further comprising holding means for mounting said high-voltage equipment housing on a vehicle.

8. The high-voltage equipment housing according to claim 4, further comprising holding means for mounting said high-voltage equipment housing on a vehicle.

9. The high-voltage equipment housing according to any of claims 1-8, wherein  
said connection means is placed at a position touchable by a hand of a person.

10. A high-voltage connector making an electrical connection between high-voltage equipment and another equipment different from said high-voltage equipment, comprising:

5           connection means for mechanically establishing said electrical connection; and

          changing means for changing a state of the electrical connection between said high-voltage equipment and said another equipment to a disconnected state in response to release of the mechanical connection by means of said connection means.

11. The high-voltage connector according to claim 10, wherein  
said changing means includes an interlock circuit attached to said  
connector and a circuit changing said state of the electrical connection to  
said disconnected state when said interlock circuit opens in response to  
5 release of the mechanical connection by said connection means.

12. The high-voltage connector according to claim 10 or 11, wherein  
said connection means is placed at a position touchable by a hand of  
a person.

13. A high-voltage equipment housing holding high-voltage  
equipment therein, comprising:  
a connection unit making an electrical connection between external  
equipment located outside said high-voltage equipment housing and said  
5 high-voltage equipment;  
an attaching unit attaching said connection unit to prevent a  
mechanical connection of said connection unit from being released by said  
connection unit only; and  
a changing unit changing a state of the electrical connection between  
10 said high-voltage equipment and said external equipment by means of said  
connection unit to a disconnected state in response to detachment of said  
attaching unit.

14. The high-voltage equipment housing according to claim 13,  
wherein  
said changing unit includes an interlock circuit attached to said  
attaching unit and a circuit changing said state of the electrical connection  
5 to said disconnected state when said interlock circuit opens in response to  
detachment of said attaching unit.

15. The high-voltage equipment housing according to claim 13,  
further comprising:  
an upper lid for preventing said high-voltage equipment from being

touched; and

- 5           a prevention unit connected to said attaching unit to prevent said upper lid from being attached/detached by said upper lid only.

16. The high-voltage equipment housing according to claim 14, further comprising:

an upper lid for preventing said high-voltage equipment from being touched; and

- 5           a prevention unit connected to said attaching unit to prevent said upper lid from being attached/detached by said upper lid only.

17. The high-voltage equipment housing according to claim 13, further comprising a holding unit for mounting said high-voltage equipment housing on a vehicle.

18. The high-voltage equipment housing according to claim 14, further comprising a holding unit for mounting said high-voltage equipment housing on a vehicle.

19. The high-voltage equipment housing according to claim 15, further comprising a holding unit for mounting said high-voltage equipment housing on a vehicle.

20. The high-voltage equipment housing according to claim 16, further comprising a holding unit for mounting said high-voltage equipment housing on a vehicle.

21. The high-voltage equipment housing according to any of claims 13-20, wherein

said connection unit is placed at a position touchable by a hand of a person.

22. A high-voltage connector making an electrical connection

between high-voltage equipment and another equipment different from said high-voltage equipment, comprising:

5 a connection unit mechanically establishing said electrical connection; and

a changing unit changing a state of the electrical connection between said high-voltage equipment and said another equipment to a disconnected state in response to release of the mechanical connection by means of said connection unit.

23. The high-voltage connector according to claim 22, wherein said changing unit includes an interlock circuit attached to said connector and a circuit changing said state of the electrical connection to said disconnected state when said interlock circuit opens in response to  
5 release of the mechanical connection by said connection unit.

24. The high-voltage connector according to claim 22 or 23, wherein said connection unit is placed at a position touchable by a hand of a person.